

13.11.06

• • , • • , « »
• • , , « »
• • , • • , « »

41

In article was examine possibility two-stage katalitic conversion oxide carbon with the water stlam and the interval wash from two-oxide carbon between one and two stages conversion. The balance stage turn and remainder quintile oxide carbon was calculation for twelfth elementary gas mixtures, which contain different composition the oxide and two-oxide carbon. The was show, that remainder concentrate CO in the conversion gas may be in the depend of composition CO₂ before 0,005 %. The result in sheme konversion.

-

,

:

$$+ 2 = 2 + 2 + 41$$

-

320 – 380 °

,

2,5 – 4 %, -

400 – 450 ° . -

210 – 220 ° -

,

0,2 – 0,5 % 2

.

[1],

,

.

:

$$-\frac{dP_{CO}}{dt} = k \frac{P_{CO}}{P_{CO_2}^Z} \cdot M(r),$$

P , P₂ – 2; - ; k-

; Z - 2; M() - , -

.

(-

)

2 ,

.

-

.

-

:

$$K_p = \frac{P_{CO_2} \cdot P_{H_2}}{P_{CO} \cdot P_{H_2O}},$$

$P_{CO_2}, P_{H_2}, P_{CO}, P_{H_2O}$ –

2, 2 ,

, 2.

-

,

,

[2].

-

(-

)

.

12

,

.

: , 2, 2, 4, N₂.

(,

)

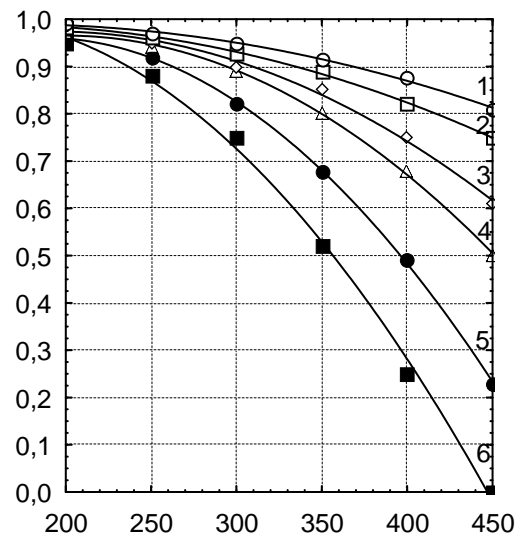
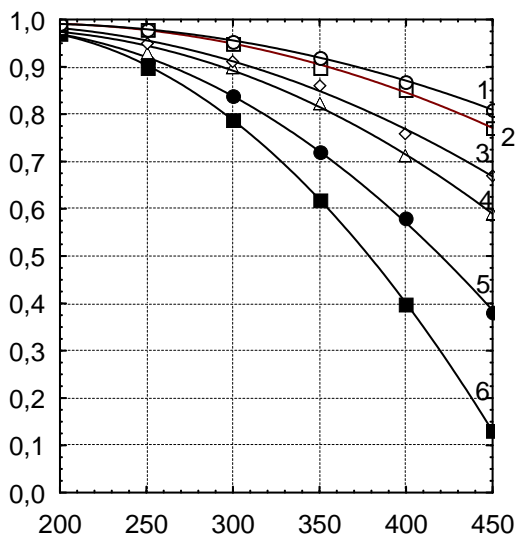
.

	, %				
		2	2	4	N ₂
1	3	0	60	0,4	36,6
2	3	1	60	0,4	35,6
3	3	3	60	0,4	33,6
4	3	5	60	0,4	31,6
5	3	10	60	0,4	26,6
6	3	16	60	0,4	20,6
7	4	0	60	0,4	35,6
8	4	1	60	0,4	34,6
9	4	3	60	0,4	32,6
10	4	5	60	0,4	30,6
11	4	10	60	0,4	25,6
12	4	16	60	0,4	19,6

.

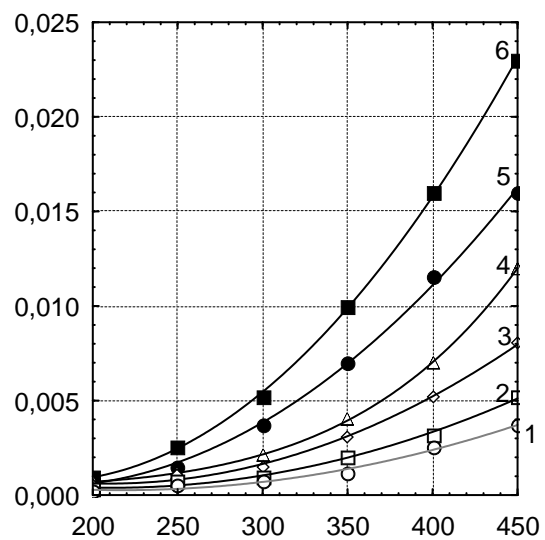
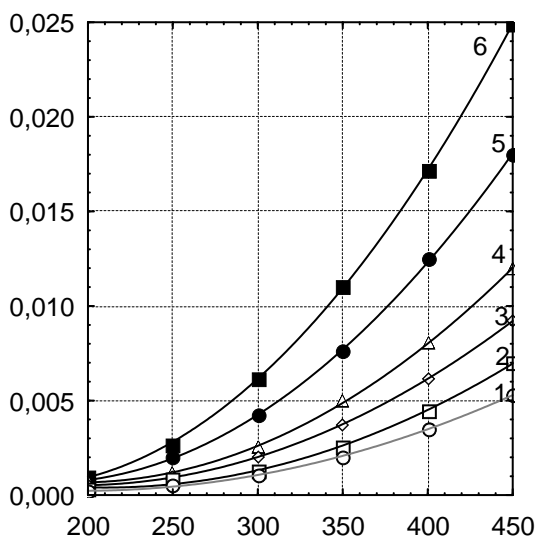
-

1, 2,



1.

7-12; 1-6).
: 1 - 0; 2 - 0,01; 3 - 0,03; 4 - 0,5; 5 - 0,1; 6 - 0,16



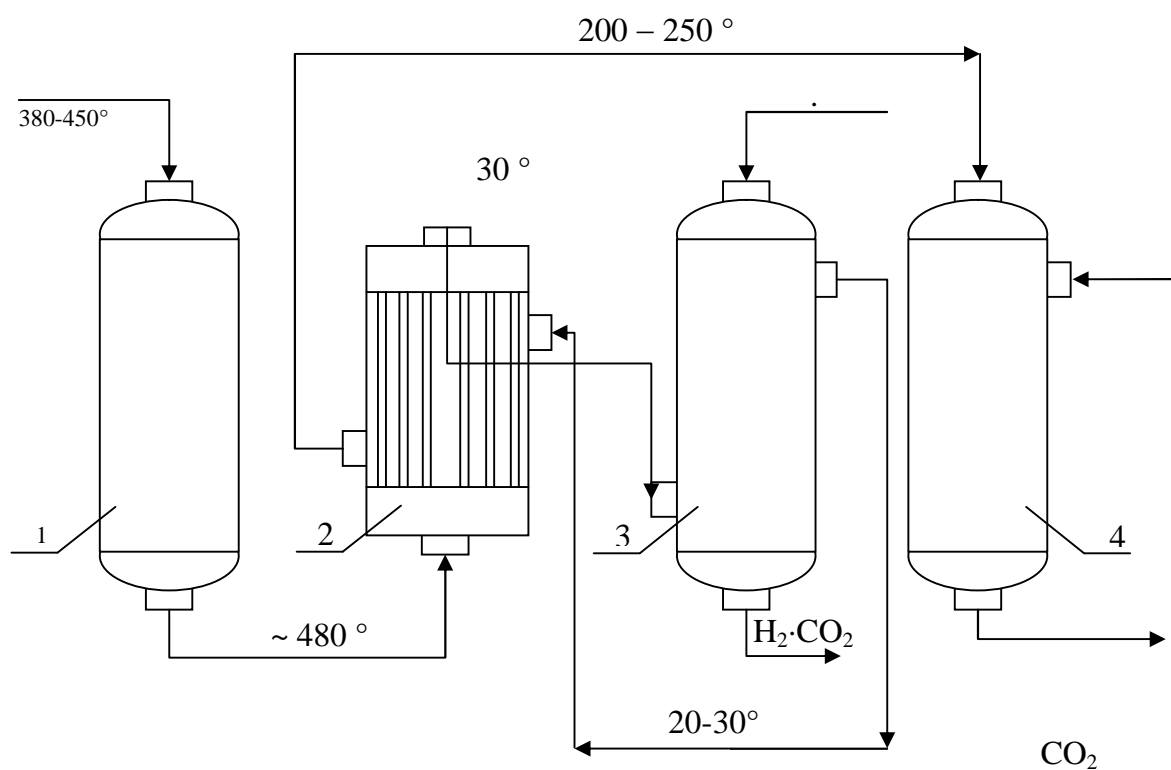
2.

7 - 12; 1 - 6).
: 1 - 0; 2 - 0,01; 3 - 0,03; 4 - 0,5; 5 - 0,1; 6 - 0,16

2, 0,005% .

2

.(. 3).



. 3.

1-

4-

; 2-

:

; 3-

;

;

,

1,

380-

450 °

2

3

,

,

,

.

2

4,

—

—

—

—

(2)

—

—

: 1.

.- ∴ ” ”, 2001.-512 . **2.**

.- ,1985.-327 .

02.11.06

: 504.064.3:574

• • , • • , • • ,

—

In this article the considered questions of estimation of quality of control of ecological object. It is suggested to use in quality a criterion having a special purpose function which runs into the indexes of the controlled parameters. It helps to attain the best economic indicators, promote reliability of the use of the natural systems. Ecological monitoring, that is carried out with the use of these criteria has the row of advantages.